



west virginia department of environmental protection

Division of Air Quality
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Jim Justice, Governor
Austin Caperton, Cabinet Secretary
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MEMORANDUM

To: File
From: William T. Rothwell II
Date: April 6, 2017
Subject: CNX Gas Company, LLC – Eckman Station – McDowell County, WV
ID #: 047-00141
APP #: PD17-010

BACKGROUND INFORMATION:

CNX Gas Company, LLC is proposing the relocation of an existing compressor engine from their Big Four compressor station to their Eckman compressor station. The compressor engine to be relocated is a Caterpillar G3304NA – 95 BHP @ 1,800 RPM 4SRB engine that was manufactured in 2009. This compressor engine will be the sole engine at the Eckman Station.

The engine is a new source (constructed after June 12, 2006), located at an area source of HAPs, and is therefore subject to 40CFR63, Subpart ZZZZ (NESHAP). Due to the year of construction of the engine, it is subject to a substantive requirement of that Federal Rule in which it must comply with 40CFR60 Subpart JJJJ (NSPS) if applicable.

Since the EPA certified engine is ≤ 500 HP and was manufactured after July 1, 2008, although subject to JJJJ, it is not subject to a substantive requirement in 40CFR60 Subpart JJJJ.

The potential emissions for the engine are as follows:

<u>Pollutant</u>	<u>LB/HR</u>	<u>TPY</u>
PM	0.01	0.04
VOCs	0.15	0.64
CO	0.21	0.92
NOx	0.11	0.46
HAPs	0.05	0.20

RECOMMENDATION:

The emission rates are below the emission limits of six (6) lb/hr and ten (10) TPY; 2 lb/hr, or 5 TPY of HAPs set forth set forth in 45CSR13 - 2.17.a&b. Therefore, a permit is not required by this Division for the installation and operation of the above mentioned compressor engine.

William T. Rothwell II, P.E.
Engineer

04/06/2017

Date